

CLEAN VERSION

Serial No. 09/509,237

CLAIMS

7. The method of forming a film *in situ* upon body tissue comprising:

providing a liquid composition comprising,

- 1) a volatile solvent; and
- 2) a polymer, excluding hydroxypropylcellulose, which will attach to a hydrophobic group, and
- 3) a hydrophobic group:

modifying the solubility of the polymer in the liquid composition by attaching the hydrophobic group to the polymer to produce a water insoluble interaction product;

applying the liquid composition to body tissue;

evaporating the solvent from the liquid composition *in situ*; and

forming a film which adheres to body tissue.

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8. The method of forming a film *in situ* upon body tissue of claim 7 wherein the liquid composition includes a medicament.

9. The method of forming a film *in situ* upon body tissue of claim 7 wherein the polymer is selected from the group consisting of carboxymethylcellulose, poly(vinyl alcohol-co-vinyl acetate), polyiminodiacetamide, and hydroxyethylcellulose,

10. A composition which forms a medicated film *in situ* upon ^{body} tissue comprising:

a volatile solvent; and

an interaction product which is soluble in said solvent but insoluble in body fluids, the interaction product produced by reacting a polymer, excluding hydroxypropylcellulose, with a hydrophobic group, wherein the hydrophobic group attaches to the polymer to alter the solubility of the polymer to produce a water insoluble interaction product;

said interaction product forming a film which adheres to body tissue upon evaporation of said solvent.

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cont.

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11. The composition which forms a medicated film *in situ* upon boy tissue of claim 10 further comprising a medicament.

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cont.

12. The composition which forms a medicated film *in situ* upon ^{body} ~~boy~~ tissue of claim 10 wherein the polymer is selected from the group consisting of carboxymethylcellulose, poly(vinyl alcohol-co-vinyl acetate), polyiminodiacetamide, and hydroxyethylcellulose,
